

Product datasheet for **MR222196L4V**

Wnt9a (NM_139298) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Wnt9a (NM_139298) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Wnt9a
Synonyms:	Wnt14
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_139298
ORF Size:	1095 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222196).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_139298.2 , NP_647459.1
RefSeq Size:	3318 bp
RefSeq ORF:	1098 bp
Locus ID:	216795
UniProt ID:	Q8R5M2
Cytogenetics:	11 B1.3



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Gene Summary:

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt/beta-catenin signaling pathway (By similarity). Required for normal timing of IHH expression during embryonic bone development, normal chondrocyte maturation and for normal bone mineralization during embryonic bone development (PubMed:16818445). Plays a redundant role in maintaining joint integrity (PubMed:16818445). [UniProtKB/Swiss-Prot Function]